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 AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
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 NEWS WWW CAS World Wide Web Site (general information)

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	ENTRY	SESSION
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=> s pastoris (5a)produc?  
 L1 2113 PASTORIS (5A) PRODUC?

=> s l1 (5a) glucocerebrosidase  
 L2 1 L1 (5A) GLUCOCEREBROSIDASE

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1800exs

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	Feb 24	PCTGEN now available on STN
NEWS	4	Feb 24	TEMA now available on STN
NEWS	5	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	6	Feb 26	PCTFULL now contains images
NEWS	7	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	8	Mar 24	PATDPAFULL now available on STN
NEWS	9	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	10	Apr 11	Display formats in DGENE enhanced
NEWS	11	Apr 14	MEDLINE Reload
NEWS	12	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	13	SEP 09	CA/CAPLUS records now contain indexing from 1907 to the present
NEWS	14	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS	15	Apr 28	RDISCLOSURE now available on STN
NEWS	16	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS	17	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS	18	May 15	Supporter information for ENCOMPAT and ENCOMPLIT updated
NEWS	19	May 19	Simultaneous left and right truncation added to WSCA
NEWS	20	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS	21	Jun 06	Simultaneous left and right truncation added to CBNB
NEWS	22	Jun 06	PASCAL enhanced with additional data
NEWS	23	Jun 20	2003 edition of the FSTA Thesaurus is now available
NEWS	24	Jun 25	HSDB has been reloaded
NEWS	25	Jul 16	Data from 1960-1976 added to RDISCLOSURE
NEWS	26	Jul 21	Identification of STN records implemented
NEWS	27	Jul 21	Polymer class term count added to REGISTRY
NEWS	28	Jul 22	INPADOC: Basic index (/BI) enhanced; Simultaneous Left and Right Truncation available
NEWS	29	AUG 05	New pricing for EUROPATFULL and PCTFULL effective August 1, 2003
NEWS	30	AUG 13	Field Availability (/FA) field enhanced in BEILSTEIN
NEWS	31	AUG 15	PATDPAFULL: one FREE connect hour, per account, in September 2003
NEWS	32	AUG 15	PCTGEN: one FREE connect hour, per account, in September 2003
NEWS	33	AUG 15	RDISCLOSURE: one FREE connect hour, per account, in September 2003
NEWS	34	AUG 15	TEMA: one FREE connect hour, per account, in September 2003
NEWS	35	AUG 18	Data available for download as a PDF in RDISCLOSURE
NEWS	36	AUG 18	Simultaneous left and right truncation added to PASCAL
NEWS	37	AUG 18	FROSTI and KOSMET enhanced with Simultaneous Left and Right Truncation
NEWS	38	AUG 18	Simultaneous left and right truncation added to ANABSTR
NEWS EXPRESS	April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT		

=> d

L2 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2003 ACS on STN  
AN 2002:391890 HCAPLUS  
DN 136:396976  
TI Pichia pastoris expression system for large quantity production of  
recombinant human proteins with high-mannose carbohydrate structure  
IN Wan, Nick; Hoppe, Henry, IV; Goodrick, Jason C.; Schilling, Bernhard M.  
PA Genzyme Corporation, USA  
SO PCT Int. Appl., 40 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002040686	A2	20020523	WO 2001-US50185	20011107
	W: AU, CA, JP				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
	AU 2002032803	A5	20020527	AU 2002-32803	20011107
	US 2003064437	A1	20030403	US 2001-45507	20011107
PRAI	US 2000-248806P	P	20001115		
	WO 2001-US50185	W	20011107		

=> s l1 (5a) gap  
L3 8 L1 (5A) GAP

=> dup rem l3  
PROCESSING COMPLETED FOR L3  
L4 1 DUP REM L3 (7 DUPLICATES REMOVED)

=> d

L4 ANSWER 1 OF 1 MEDLINE on STN DUPLICATE 1  
AN 2001446250 MEDLINE  
DN 21384733 PubMed ID: 11494216  
TI High-level expression and stabilization of recombinant human chitinase  
produced in a continuous constitutive Pichia pastoris expression system.  
AU Goodrick J C; Xu M; Finnegan R; Schilling B M; Schiavi S; Hoppe H; Wan N C  
CS Genzyme Corp., One Kendall Square, Cambridge, Massachusetts 02139, USA.  
SO BIOTECHNOLOGY AND BIOENGINEERING, (2001 Sep 20) 74 (6) 492-7.  
Journal code: 7502021. ISSN: 0006-3592.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200112  
ED Entered STN: 20010813  
Last Updated on STN: 20020121  
Entered Medline: 20011214

=> d ab

L4 ANSWER 1 OF 1 MEDLINE on STN DUPLICATE 1  
AB A continuous fermentation process has been developed in Pichia pastoris  
(P. pastoris) with the glyceraldehyde-3-phosphate dehydrogenase (GAP)  
promoter in order to produce large quantities of recombinant human  
chitinase (rh-chitinase) for preclinical studies as a potential high-dose  
antifungal drug. Expression levels of about 200 to 400 mg/L have been  
demonstrated in fed-batch fermentations using strains with either the  
traditional methanol-inducible or the constitutive GAP promoter.  
Proteolytic degradation of the enzyme was typically seen in fed-batch  
fermentations. Continuous **production** of the enzyme by P.  
**pastoris** with the **GAP** promoter was demonstrated in a

1.5-L working volume fermentor using either glucose or glycerol as the carbon source. The fermentation could be extended for >1 month with a steady-state protein concentration of approximately 300 mg/L. Cell densities were >400 g/L wet cell weight (WCW) (approximately 100 g/L dry cell weight [DCW]) at a dilution rate (D) of 0.83 day<sup>-1</sup> or 1.2 volume exchanges per day (VVD). No proteolytic degradation of the enzyme was seen in the continuous fermentation mode.  
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=> dis his

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L1 2113 S PASTORIS (5A) PRODUC?  
L2 1 S L1 (5A) GLUCOCEREBROSIDASE  
L3 8 S L1 (5A) GAP  
L4 1 DUP REM L3 (7 DUPLICATES REMOVED)

=> log h

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
16.49	16.70

FULL ESTIMATED COST

SESSION WILL BE HELD FOR 60 MINUTES

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